Plant Cell, Tissue and Organ Culture **44:** 271–273, 1996.

CONTENTS Volume 44 1996

Volume 44 No. 1

Original research papers

Organogenesis and somatic embryogenesis in callus cultures of *Rosa hybrida* and *Rosa chinensis minima* 1–6
Chi-ni Hsia, S.S. Korban

High frequency somatic embryogenesis from coffee leaves 7–17
J. van Boxtel, Marc Berthouly

Somatic embryogenesis from immature zygotic embryos of *Ginkgo biloba* 19–24
D. Laurain, J.-C. Chénieux, J. Trémouillaux-Guiller

Micropropagation of parsley through axillary shoot proliferation 25–30
J.L. Vandemoortele, J.P. Billard, J. Boucaud, Th. Gaspar

Micropropagation of the silk tassel bush, *Garrya elliptica* Dougl. 31–35
S. Woodward, R.J. Thomson

Elongation, rooting and acclimatization of micropropagated shoots from mature material of hybrid larch 37–44
N. Brassard, L. Brissette, D. Lord, S. Laliberté

Influence of media and growth regulators on somatic embryogenesis and plant regeneration for production of primary triticales 45–52
A.S.T. Immonen

Effect of abscisic acid, osmolarity and temperature on *in vitro* development of recalcitrant mango nucellar embryos 53–61
F. Pliego-Alfaro, R.E. Litz, P.A. Moon, D.J. Gray

Effect of abscisic acid, osmolarity and partial desiccation on the development of recalcitrant mango somatic embryos 63–70
F. Pliego-Alfaro, M.J.R. Monsalud, R.E. Litz, D.J. Gray, P.A. Moon

Research notes

Plant regeneration from embryogenic cell suspensions and protoplasts in sugarcane (*Saccharum* spp. hybrid cv, CoL-54) 71–78
F. Aftab, Y. Zafar, K.A. Malik, J. Iqbal

Somatic embryogenesis and plant regeneration in *Medicago suffruticosa* 79–81
Xiu-Qing Li, Y. Demarly

***In vitro* regeneration of silktree (*Albizzia julibrissin*) from excised roots** 83–86
D. Sankhla, T.D. Davis, N. Sankhla

Comparison of somatic embryogenesis and embryo conversion in commercial soybean cultivars 87–89
Jia Li, E.A. Grabau

Volume 44 No. 2

Original research papers

Tissue culture of *Hypericum brasiliense* Choisy: Shoot multiplication and callus induction 91–94
M.A. Cardoso, D.E. de Oliveira

Taxol production in suspension cultures of *Taxus baccata* 95–102
T.J. Hirasuna, L.J. Pestchanker, V. Srinivasan, M.L. Shuler

Protoplast culture and somaclonal variability of species of series *Juglandiflora* 103–110
A.S. Kochevenko, Y.I. Ratushnyak, Y.Y. Gleba

Indole alkaloids in clonal propagules of *Rauwolfia serpentina* benthe ex kurz 111–115
G. Roja, M.R. Heble

Biotransformation of Ferulic acid and vanillylamine to Capsaicin and vanillin in immobilized cell cultures of Capsicum frutescens 117–121
T.S. Johnson, G.A. Ravishanka, L.V., Venkataraman

Changes in esterase and superoxide dismutase isozymes during *in vitro* morphogenesis in *Plantago ovata* Forssk 123–127
S. Pramanik, S.S. Raychaudhuri, S. Chakraborty

Callus formation from protoplasts of *Artemisia sphaerocephala* Krash and some factors influencing protoplast division 129–134
Zi-Qin Xu, Jing-Fen Jia

Morphogenesis and plant regeneration from tissue cultures of *Jatropha curcas* 135–141
M. Sujatha, N. Mukta

Induction of haploid callus and embryogenesis in *in vitro* cultured anthers of mulberry (*Morus indica*) 143–147
A.K. Jain, S. Sarkar, R.K. Datta

Regeneration of the tropical legume *Aeschynomene sensitiva* Sw. from root explants 149–154
C. Nef-Campa, C. Chaintreuil-Dongmo, B.L. Dreyfus

Growth and regenerability of long-term suspension cultures of the U.S. rice cultivar Mercury 155–159
H.S. Utomo, T.P. Croughan, S.S. Croughan

Peroxidase activity and isoenzymes in the culture medium of NaCl adapted tomato suspension cells 161–167
M.A. Sancho, S.M. de Forchetti, F. Pliego, V. Valpuesta, M.A. Quesada

High frequency somatic embryogenesis in *Coffea canephora Induction conditions and histological evolution* 169–176
M. Berthouly, N.M. Michaux-Ferriere

Research notes

Agrobacterium-mediated transfomration of commercial mints 177–181
C. Berry, J.M. Van Eck, S.L. Kitto, A. Smigocki

Volume 44 No. 3

Original research papers

Shoot tips of wheat as an alternative source for regenerable embryogenic callus cultures 183–188
K. Viertel, D. Hess

Improvement of somatic embryogenesis in highland-papaya cell suspensions 189–194
M. Jordan, J. Velozo

Shoot regeneration from tissue-cultured leaves of the American cranberry (*Vaccinium macrocarpon*) 195–199
M. Marcotrigiano, S.P. McGlew, G. Hackett, B. Chawla

Protoplast isolation, culture, and fusion protocols for kenaf (*Hibiscus cannabinus*) 201–210
N.A. Reichert, D. Liu

Roots as an enhancing factor for the production of artemisinin in shoot cultures of *Artemisia annua* 211–217
J.F.S. Ferreira, J. Janick

The effect of plant growth regulators on growth, morphology and condensed tannin accumulation in transformed root cultures of *Lotus corniculatus* 219–227
M.P. Robbins, T.E. Evans, P. Morris

Clonal propagation of *Camptotheca acuminata* through shoot bud culture 229–233
A.K. Jain, G.L. Nessler

Plant regeneration from ryegrass ovules cultivated on endosperm-derived feeder cells 235–241
J.J. Kumlehn, W. Nitzsche

Research notes

***In vitro* propagation of *Rauwolfia micrantha*, a rare medicinal plant** 243–248
C.G. Sudha, S. Seeni

The influence of micrografting *in vitro* on tissue culture behavior and vegetative propagation of old European larch trees 249–252
D. Ewald, U. Kretzschmar

Somatic embryogenesis and plant regeneration in cotyledonary explant cultures of Chinese cabbage 253–256
P.S. Choi, W.Y. Soh, J.R. Liu

Synthesis of extracellular proteins in embryogenic and non-embryogenic cell cultures of alfalfa 257–260
G.B. Poulsen, G. Frugis, M. Albrechtsen, D. Mariotti

Micropropagation and phase change in *Blechnum spicant* and *Pteris ensiformis* 261–265
H. Fernández, A.M. Bertrand, R. Sánchez-Tamés

Instructions to Authors 267–269

Volume Contents 271–273

Author Index 274